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 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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<u>L11</u>	L10 and ester.ti.	23	<u>L11</u>
<u>L10</u>	L9 and (boron trifluoride or bf3)	125	<u>L10</u>
<u>L9</u>	15 and 560/\$	125	<u>L9</u>
<u>L8</u>	L6 and (mtbe or methyl-t-butylether)	2	<u>L8</u>
<u>L7</u>	L6 and (mtbe or methyl-t-butyl ether)	3	<u>L7</u>
<u>L6</u>	L5 and methyl pivalate	10	<u>L6</u>
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<u>L4</u>	L3 and carbon monoxide	1300	<u>L4</u>
<u>L3</u>	L2 and (boron trifluoride or bf3)	25789	<u>L3</u>
<u>L2</u>	OLEFIN OR ETHER	974430	<u>L2</u>
<i>DB=PGPB; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	20010041808	1	<u>L1</u>

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1. Document ID: US 20010041808 A1

Using default format because multiple data bases are involved.

L12: Entry 1 of 20

File: PGPB

Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010041808
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010041808 A1

TITLE: Production of esters

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mozeleski, Edmund J.	Califon	NJ	US	
Beck, Carl R.	Greenwell Springs	LA	US	
Nadler, Kirk C.	Houston	TX	US	
Schlosberg, Richard H.	Bridgewater	NJ	US	

US-CL-CURRENT: 560/233; 560/232, 560/240

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawn D
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2. Document ID: US 6075161 A

L12: Entry 2 of 20

File: USPT

Jun 13, 2000

US-PAT-NO: 6075161
DOCUMENT-IDENTIFIER: US 6075161 A

TITLE: Preparation of 3-pentenoic acid esters by carbonylation of alkoxybutenes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawn D
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3. Document ID: US 6011171 A

L12: Entry 3 of 20

File: USPT

Jan 4, 2000

US-PAT-NO: 6011171
DOCUMENT-IDENTIFIER: US 6011171 A

TITLE: Process for synthesis of tertiary carboxylic acids and the esters thereof

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn D](#)

4. Document ID: US 5886211 A

L12: Entry 4 of 20

File: USPT

Mar 23, 1999

US-PAT-NO: 5886211

DOCUMENT-IDENTIFIER: US 5886211 A

TITLE: Process for producing 2-(halomethyl)phenylacetic acid esters

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn D](#)

5. Document ID: US 5869729 A

L12: Entry 5 of 20

File: USPT

Feb 9, 1999

US-PAT-NO: 5869729

DOCUMENT-IDENTIFIER: US 5869729 A

TITLE: Method of producing an ester compound

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn D](#)

6. Document ID: US 5463095 A

L12: Entry 6 of 20

File: USPT

Oct 31, 1995

US-PAT-NO: 5463095

DOCUMENT-IDENTIFIER: US 5463095 A

TITLE: Process for the production of esters

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn D](#)

7. Document ID: US 5322633 A

L12: Entry 7 of 20

File: USPT

Jun 21, 1994

US-PAT-NO: 5322633

DOCUMENT-IDENTIFIER: US 5322633 A

TITLE: Preparation of branched chain carboxylic esters

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUMC](#) | [Drawn D](#)

□ 8. Document ID: US 5315027 A

L12: Entry 8 of 20

File: USPT

May 24, 1994

US-PAT-NO: 5315027

DOCUMENT-IDENTIFIER: US 5315027 A

TITLE: Catalytic process for preparing the alkyl esters of ibuprofen[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KJC/C](#) | [Drawn D...](#)

□ 9. Document ID: US 4937375 A

L12: Entry 9 of 20

File: USPT

Jun 26, 1990

US-PAT-NO: 4937375

DOCUMENT-IDENTIFIER: US 4937375 A

** See image for Certificate of Correction **TITLE: (Phenylethenyl)phenylpropionic acid and its ester, and method for producing (benzoylphenyl)propionic acid or its ester[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KJC/C](#) | [Drawn D...](#)

□ 10. Document ID: US 4894188 A

L12: Entry 10 of 20

File: USPT

Jan 16, 1990

US-PAT-NO: 4894188

DOCUMENT-IDENTIFIER: US 4894188 A

TITLE: Process for producing fatty acids and their ester derivatives[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KJC/C](#) | [Drawn D...](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

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11. Document ID: US 4806676 A

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L12: Entry 11 of 20

File: USPT

Feb 21, 1989

US-PAT-NO: 4806676

DOCUMENT-IDENTIFIER: US 4806676 A

TITLE: Carbonylation process for preparation of aromatic carboxylic esters and an alkyl iodide

DATE-ISSUED: February 21, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Steinmetz; Guy R.	Kingsport	TN		
Rule; Mark	Kingsport	TN		

US-CL-CURRENT: 560/80; 560/100, 560/102, 560/103, 560/76, 560/97, 570/181, 570/261

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUOC	Drawn D
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12. Document ID: US 4694100 A

L12: Entry 12 of 20

File: USPT

Sep 15, 1987

US-PAT-NO: 4694100

DOCUMENT-IDENTIFIER: US 4694100 A

TITLE: Method for producing .alpha.-(p-isobutylphenyl)propionic acid or its alkyl esters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUOC	Drawn D
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13. Document ID: US 4612387 A

L12: Entry 13 of 20

File: USPT

Sep 16, 1986

US-PAT-NO: 4612387

DOCUMENT-IDENTIFIER: US 4612387 A

TITLE: Production of carboxylic acids and esters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn D.
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14. Document ID: US 4518798 A

L12: Entry 14 of 20

File: USPT

May 21, 1985

US-PAT-NO: 4518798

DOCUMENT-IDENTIFIER: US 4518798 A

TITLE: Preparing esters and carboxylic acids from lower olefins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn D.
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15. Document ID: US RE31010 E

L12: Entry 15 of 20

File: USPT

Aug 10, 1982

US-PAT-NO: RE31010

DOCUMENT-IDENTIFIER: US RE31010 E

TITLE: Preparation of carboxylic acid esters with BF₃.sub.3 complex catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn D.
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16. Document ID: US 4311851 A

L12: Entry 16 of 20

File: USPT

Jan 19, 1982

US-PAT-NO: 4311851

DOCUMENT-IDENTIFIER: US 4311851 A

TITLE: Preparation of carboxylic acid esters with BF₃.sub.3 -alcohol complex catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn D.
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17. Document ID: US 4262138 A

L12: Entry 17 of 20

File: USPT

Apr 14, 1981

US-PAT-NO: 4262138

DOCUMENT-IDENTIFIER: US 4262138 A

TITLE: Preparation of carboxylic acid esters with BF₃.sub.3 complex catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn D.
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18. Document ID: US 4229586 A

L12: Entry 18 of 20

File: USPT

Oct 21, 1980

US-PAT-NO: 4229586

DOCUMENT-IDENTIFIER: US 4229586 A

TITLE: Process for production of motor fuel and phthalate esters or acyclic alcohols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn D
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 19. Document ID: US 4209652 A

L12: Entry 19 of 20

File: USPT

Jun 24, 1980

US-PAT-NO: 4209652

DOCUMENT-IDENTIFIER: US 4209652 A

TITLE: Process for production of motor fuel and phthalate esters or acyclic alcohols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn D
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 20. Document ID: US 4048147 A

L12: Entry 20 of 20

File: USPT

Sep 13, 1977

US-PAT-NO: 4048147

DOCUMENT-IDENTIFIER: US 4048147 A

TITLE: Carboxylic acid of cyclopentadiene derivative, salt thereof, or ester thereof and process for producing these compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn D
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